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Canadian Energy Education Directory

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Canadian Energy Education Directory

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1. Introduction

2. Energy Education Organizations

Northwest Territories

Government of N.W.T. – Department of Education
Government of N.W.T. – Department of Public Works

British Columbia

Association for the Promotion and Advancement of
Science Education

B.C. Environment, Lands and Parks

B.C. Hydro

B.C. Ministry of Energy, Mines and Petroleum
Resources

Alberta

Alberta Department of Energy

Alberta Environment

City of Calgary Electric System

Edmonton Power

Edmonton Public Schools

Eneumeum – Energy Resources Conservation Board

Environmental Resource Centre

Fort McMurray Oil Sands Interpretive Centre

Pembina Institute for Appropriate Development

Petroleum Resources Communication Foundation

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Saskatchewan

Saskatchewan Education –

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SaskPower

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Atomic Energy of Canada Ltd. –

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Nuclear Awareness Project

Ontario Hydro – Darlington Generating Station

Ontario Hydro –

R.H. Saunders Energy Information Centre

Ontario Ministry of Energy

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National

Canadian Earth Energy Association

Canadian Gas Association

Canadian Nuclear Association

Canadian Wind Energy Association

Energy, Mines and Resources Canada

Independent Petroleum Association of Canada

SEEDS Foundation

Solar Energy Society of Canada

Québec

Hydro Québec

Ministère de l'Énergie et des Ressources

New Brunswick

Energy and Environment Educators of New Brunswick

Prince Edward Island

Atlantic Wind Test Site

Maritime Electric Company Limited

P.E.I. Department of Education

P.E.I. Department of Energy and Forestry

Nova Scotia

Ecology Action Centre

Nova Scotia Power Corporation

Nova Scotia Department of Natural Resources

3. Energy Education Consultants

ACE – Alternative and Conservation Energies Inc.

Alberta Power Ltd.

P.J. Spratt

Polestar Communications

Synergistics Consulting Limited

Wilson Educational Services Inc.

4. Appendix

Activity/Subject Summary by Province:

Energy Education Consultants

Northwest Territories

British Columbia

Alberta

Saskatchewan

Manitoba

Ontario

National

Québec

New Brunswick

Prince Edward Island

Nova Scotia

The Canadian Energy Education Directory provides participating organizations with a brief, current reference of energy education materials and services in Canada.

The purpose of the Directory is to increase communication among those involved in providing or administering energy education policy, programs or resources in Canada. This includes energy education, energy conservation, renewable energy and other energy related topics for the primary and secondary school system and similar audiences.

The Directory is a project of the Energy Education Working Group of the Advisory Committee on Energy, Conservation and Renewable Energy Subcommittee (ACE/CARES) under the Council of Provincial Energy Ministers.

The fourth edition of *The Canadian Energy Education Directory* has been coordinated by the Nova Scotia Department of Natural Resources.

Please note that the Nova Scotia Department of Natural Resources gives permission to educators to photocopy any or all portions of this document for energy education purposes.

Should you wish to add your organization to the Directory or suggest others to become involved please contact:

Jim Gordon
Manager, Energy Programs
Nova Scotia Department of Natural Resources
P.O. Box 698
Halifax, Nova Scotia
B3J 2T9

Canadian Energy Education Directory, Fourth Edition, March 1992

Department of Education

Address:

Box 1320
Yellowknife, N.W.T.
X1A 2L9

Key Contacts:

Don Kindt
Curriculum Coordinator
Phone: (403) 873-7675
Fax: (403) 873-0338

Overall Goals/Scope of Services:

- Science curriculum development and delivery.

New and Updated Materials/Activities:

- Junior high science curriculum
- Junior high science curriculum support document

Department of Public Works

Address:

Energy Management Division
Government of the Northwest Territories
Box 1320
Yellowknife, N.W.T.
X1A 2L9

Key Contacts:

Ron Hawkins
Director
Phone: (403) 873-7203
Fax: (403) 873-0247

Mike Buchanan
Coordinator, Energy Management Programs
Phone: (403) 873-7203
Fax: (403) 873-0247

Overall Goals/Scope of Services:

To increase the level of awareness, understanding and practice of the efficient use of energy in the NWT through the education of teachers and/or school children.

New and Updated Materials/Activities:

Nil. Annual poster contest/calendar production ongoing. Participation in science fairs, teachers conferences, school presentations ongoing.

APASE Association for the Promotion and Advancement of Science Education

Address:

3466 W. Broadway
Vancouver, B.C.
V6R 2B3

Key Contacts:

Libi Stewart
Environmental Education Coordinator
Phone: (604) 737-2742, 737-2743
Fax: (604) 737-2798

Glenn Brown
Executive Director
Phone: (604) 737-2742, 737-2743
Fax: (604) 737-2798

Overall Goals/Scope of Services:

We offer a two-hour hands-on, cooperative program in classrooms from K to grade 7. We are sponsored by the Ministry of Environment and B.C. Hydro. We focus on where energy comes from, how electricity is generated, how we use energy, how energy use affects the environment and how to use energy wisely.

New and Updated Materials/Activities:

Newsletter issue (PRISM) titled "*Energy and the Environment*" available in September 1991 (32 pages of activities and background information).

B.C. Environment, Lands and Parks

Address:

1st floor, 810 Blanshard Street
Victoria, B.C.
V8V 1X5

Key Contacts:

Richard Kool
Environmental Education Coordinator
Phone: (604) 387-9422
Fax: (604) 387-5703

Heather Fisher
Special Projects Coordinator
Phone: (604) 387-9422
Fax: (604) 387-5703

Overall Goals/Scope of Services:

The Environmental Education program provides a method for helping citizens acquire an understanding of the interrelationship between people and their natural environment. Its central concern is the use and management of the province's resources in a manner which permits sustainable development with a quality environment.

New and Updated Materials/Activities:

ECO Education Program

B.C. Hydro

Address:

970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Key Contacts:

Tazeem Nathoo
Partners in Education
Project Manager
Phone: (604) 663-2094
Fax: (604) 663-3696

Barb West
Partners in Education Coordinator
Phone: (604) 663-2890
Fax: (604) 663-3696

Overall Goals/Scope of Services:

To build partnerships with government, education and the business community that pursue the discovery and development of education programs which:

- foster and encourage the understanding of energy and environmental issues
- promote the safe use of electricity
- promote an energy conservation and efficiency ethic
- encourage the development of workplace skills, knowledge and attitudes required by B.C. Hydro.

New and Updated Materials/Activities

Presently revising energy education strategy and materials.

B.C. Ministry of Energy, Mines and Petroleum Resources, Energy Management Branch

Address:

Room 421
617 Government Street
Victoria, B.C.
V8V 1X4

Key Contacts:

Denise Mullen
A/Director, Energy Project
Analysis Branch
Phone: (604) 356-2161
Fax: (604) 387-1339

Dennis Regoza
Manager, Energy Efficiency and Technology
Phone: (604) 356-2172
Fax: (604) 356-9797

Overall Goals/Scope of Activities:

In January 1991, the Ministry of Energy, Mines and Petroleum Resources (MEMPR) signed a contract with the Association for the Promotion and Advancement of Science Education (APASE) to complete Phase II of an energy education project (Kindergarten to Grade 7). Phase II was completed on March 31, 1991. B.C. Hydro provided matching funds for the completion of Phase I of the program.

Phase I was designed as a participatory (hands-on) program using a variety of guided discovery activities followed by knowledge consolidation techniques. The program builds on a "constructivist" educational framework to assist young people to obtain meaning from a selected sequence of energy-related activities. The main knowledge areas are sources of energy, uses of energy in daily life and the relationship of energy conservation with environmental protection.

Phase II of the program was designed to finalize and test teaching methods. The program was evaluated for its effectiveness, showing that it was well received by teachers and school children.

It is likely that the classroom program will be delivered as part of the Environment Youth Corps Environmental Education project sponsored by the Ministry of Environment. There is no cost to schools or teachers.

Long Term Strategy

The MEMPR is planning to undertake the development of a long term strategy aimed at increasing the knowledge and the activities of students at various levels in the British Columbia education system regarding energy management and awareness. The strategy will be developed in cooperation with the Ministry of Environment, the Ministry of Education and various energy stakeholders in the Province.

Canadian Energy Education Directory, Fourth Edition, March 1992

Alberta Department of Energy Energy Efficiency Branch

Address:

7th floor, North Petroleum Plaza
9945-108 Street
Edmonton, Alberta
T5K 2G6

Key Contacts:

Brian Weir
Manager, Programs
Phone: (403) 427-5200
Fax: (403) 422-0494

Kathy Worobec
Co-ordinator, Education Services
Phone: (403) 427-5200
Fax: (403) 422-0494

Overall Goals/Scope of Services:

To provide information for Alberta teachers and students on energy conservation and efficiency; non-renewable and renewable energy resources and environmental effects from energy use.

New and Updated Materials/Activities:

Somebody Should Do Something About This — a teacher/student resource book on energy and the environment. A copy is available in every Alberta school library.

Clean Air Strategy for Alberta — Package consists of a teacher's guide, informative duplicating masters on various energy-related environmental topics and a poster. Materials produced in co-operation with Friends of Environmental Education Society of Alberta and Alberta Environment. Students were encouraged to submit their thoughts on a Clean Air Strategy for Alberta.

CanAm — An annual meeting of energy conservation program developers from western Canada and the Pacific Northwest in the U.S.A. Presented information on programs and a half-day Stratagem workshop.

National Calendar — Provided student artwork for EMR's calendar on energy and the environment. Distributed calendars to schools in Edmonton during Energy Awareness Week.

Art display — In co-operation with the Citadel's Teen Festival and the Edmonton Art Gallery teen art was displayed in the gallery, April 30 to May 4, 1991. The theme of the display was energy efficiency and the environment.

Alberta Environment Education Branch

Address:

12th floor, Oxbridge Place
9820-106 Street
Edmonton, Alberta
T5K 2J6

Key Contacts:

Beverly Yee
Education Branch Head
Phone: (403) 427-6310
Fax: (403) 427-2512

Overall Goals/Scope of Services:

To develop and deliver environmental education programs to educators in the formal (grades K-12) and non-formal sectors.

New and Updated Materials/Activities:

- *A Traveller's Guide to Spaceship Earth* (poster kit)
- *Caring for the Land* (poster kit)
- Pesticide Education Program
- *EnviroKids Program* (on themes of land, air and water).

City of Calgary Electric System

Address:

Box 2100, Station M
Calgary, Alberta
T2P 2M5

Key Contacts:

Arlene Swanson
School Program Coordinator
Phone: (403) 268-2992
Fax: (403) 262-5928

Joan Hickie
Energy Advisor
Phone: (403) 268-2991
Fax: (403) 262-5928

Audrey Kuzyk
Energy Advisor
Phone: (403) 268-4027
Fax: (403) 262-5928

Overall Goals/Scope of Services:

- To provide City of Calgary residents with information on the safe and economical use of electricity.
- To provide city elementary schools with information and resources regarding electric safety.

New and Updated Materials/Activities:

DSM Initiatives

Edmonton Power

Address:

Customer Services
Capital Square
10065 Jasper Avenue
Edmonton, Alberta
T5J 3B1

Key Contacts:

Yvonne McNicoll
Residential Energy Advisor
Phone: (403) 448-3010
Fax: (403) 448-3170

Overall Goals/Scope of Services:

All materials at elementary school level focus on electrical safety and energy awareness (this includes the environment).

New and Updated Materials/Activities:

Activity Calendar — The 1991-92 calendar focuses on electrical safety and energy awareness for grades 1 to 3. An accompanying Teachers' Guide provides background information for the teacher.

Consumer Education — Presentations, newsletters, fact sheets, publications about electricity and its application in the home re safety and efficiency.

Tours — for grades 5 and 6 of Genesee and Clover Bay generating stations.

Posters — on electricity and safety — grades 1 to 6.

Customer Newsletter — A quarterly bill stuffer for customers with energy management and electrical safety information.

Coal, Fueling the Future — Video distributed to grades 7 to 9 along with coal samples beginning in fall of 1991.

Address:

Centre for Education
1 Kingsway
Edmonton, Alberta
T5H 4G9

Key Contacts:

Eckhart Stoyke
Energy Consultant
Phone: (403) 429-8549
Fax: (403) 429-8318

Overall Goals/Scope of Activities:

Responsible to complete engineering evaluations on District Buildings.

Responsible for the development and implementation of an energy conservation program. Provide consulting services in all areas of energy conservation within the school system.

Address:

640-5th Avenue S.W.
Calgary, Alberta
T2P 3G4

Key Contacts:

Andrea Main
Curator
Phone: (402) 297-5290
Fax: (402) 297-2882

Kirsten Schmitten
Program Coordinator
Phone: (403) 297-2252
Fax: (403) 297-2882

Overall Goals/Scope of Services:

To provide visitors to the Energieum with an enjoyable hands-on learning experience focused on Alberta's energy resources.

All programs offered are free of charge.

New and Updated Materials/Activities:

"Sun-Sational Energy"

Goals and Objectives:

- make the connection between fossil fuels and the sun
- list three fossil fuels produced in Alberta
- define renewable and non-renewable
- explain the basic steps in the formation of fossil fuels
- describe changes in landforms in what is now Canada

Details: The target audience is grade 3. Objectives are met through mapping, model building, matching exercises and drawing.

"Petroleum Press"

Objectives:

- explain the Organic Theory of oil and gas formation
- describe some important events in the history of Alberta's petroleum industry
- tell how oil and natural gas are transported
- list at least two places in Canada and one other place in the world that use Alberta's oil and natural gas
- identify at least two major uses of Alberta's petroleum resources
- list the main parts of a drilling rig

Details: Designed for a grade 4-6 audience, Petroleum Press introduces students to Alberta's energy resources through a package of classroom activities.

"An Electric Start"

Objectives:

- identify coal as the major source of electricity in Alberta
- demonstrate the simple steps involved in making electricity
- explain the connection between coal and the sun
- describe how coal was formed from plants
- learn safe and wise use of electricity at home

Details: This package of classroom activities uses role-play, flashcards and stories to teach students in Grades 1-3 about the ABC's of Alberta's electricity.

Address:

10511 Saskatchewan Drive
Edmonton, Alberta
T6E 4S1

Key Contacts:

Brian Staszewski
Executive Director
Phone: (403) 433-8711
Fax: (403) 439-5081

Louise Swift
Office Manager
Phone: (403) 433-8711
Fax (403) 439-5081

Overall Goals/Scope of Services:

Make the public aware of the dangers of environmental pollution. Workshops, publications, conferences, resource library and consulting on environmental and conservation issues.

New and Updated Materials/Activities:

- Home Guide to Waste Reduction and Recycling
- Environmental Lifestyles Booklet
- Household Hazardous Waste Manual
- Destination Conservation Program (National level of distribution)

Fort McMurray Oil Sands Interpretive Centre

Address:

515 MacKenzie Blvd.
Fort McMurray, Alberta
T9H 4X3

Key Contacts:

Marsha Regensburg
Area Manager, North
Phone: (403) 743-7167
Fax: (403) 791-0710

Todd Myers
Education Officer
Phone: (403) 743-7167
Fax: (403) 791-0710

Overall Goals/Scope of Services:

"Interpretation of oil sands science and technology, cultural and social development in the past, present and future in order to promote and educate community members, visitors and students at a local, national and international level."

Educational Goals:

To provide a unique learning experience that involves self-discovery, exploration and fun.

To provide students and teachers with quality science and social studies related activities, information and resources.

New and Updated Materials Activities:

E.C.S. – Gr. 1 : General Science programs for each level
Grade 2/3 : Energy sources and resources program
Grade 4 : Oil sands as a natural resource
Grade 6 : Soils and erosion science program
Grade 7/8 : Engineering: Structure and Design
E.C.S. – 3 : "Dinosaur Daze" an annual special program
E.C.S. – 8 : Environmental Science Extension Program

The Pembina Institute for Appropriate Development

Address:

Box 7558
Drayton Valley, Alberta
T0E 0M0

Key Contacts:

Rob Macintosh
Executive Director
Phone: (403) 542-6272
Fax: (403) 542-6464

Thomas Marr
Manager, Education Programs
Phone: (403) 542-6272
Fax: (403) 542-6272

Overall Goals/Scope of Services:

To develop and promote public policy and educational programs which protect the environment and implement a conservator society.

New and Updated Materials/Activities:

- *Environment Network News* – bi-monthly periodical
- *Alberta Environmental Directory* – Fourth Edition – 132 pages (1990-91)
- *The Canadian Environmental Education Resource Catalogue* – 400 pages (September 1991)
- *Gaialog* – A Canadian Journal of Environmental Education – quarterly periodical
- *Environmentally Friendly Schools* – workshops and strategy planning services.

Petroleum Resources Communication Foundation

Address:

Suite 1250
633-6 Avenue S.W.
Calgary, Alberta
T2P 2Y5

Key Contacts:

Merry Chellas
Executive Director
Phone: (403) 264-6064
Fax: (403) 237-6286

Gila Naderi
Communications Coordinator
Phone: (403) 264-6064
Fax: (403) 237-6286

Overall Goals/Scope of Services:

To increase public awareness of Canada's petroleum industry through balanced and factual information.

New and Updated Materials/Activities:

- *Our Petroleum Challenge: In the 1990's*
- Background papers on: Natural Gas, Sustainable Development, Gasoline
- Marketing: Canada vs. United States, Gasoline Pricing, Sour Gas
- Teacher's Guide: 8 case studies
- Gasoline Pump Price Report
- Connections (quarterly newsletter)
- Défi à notre industrie pétrolière. L'ère nouvelle
- Guide de l'enseignant
- Video library
- Slide library
- Information Services
- Speakers' Bureau (university level and above, i.e. general public)
- Annual Report

Transalta Utilities Corporation

Address:

110-12th Avenue S.W.
Calgary, Alberta
T2P 2M1

Key Contacts:

Cherry Holland
Public Affairs Consultant
Phone: (403) 267-7142
Fax: (403) 267-4902

Overall Goals/Scope of Services:

To facilitate learning by studying the safe and efficient use of electricity. Teacher and student resource materials have been developed to gain understanding of the ways electricity is generated and the impact it has on our environment.

New and Updated Materials/Activities:

Videos

EE-YI-EE-YI-OH – 10 minute video, environment, grades 3–6
VOLTON – 20 minutes, safety, grade 10–adult

Publications

More Power to You – 105 energy saving tips
Arbor Day Program – grade 3, lodgepole pine seedling, teachers' resource guide, planting instructions
Coal to Kilowatts – teachers' guide, workbook, poster, grades 4–6

Saskatchewan Education Curriculum and Instruction Division

Address:

2220 College Avenue
Regina, Saskatchewan
S4P 3V7

Key Contacts:

Barry Mitschke
Director, Mathematics and Natural Sciences Branch
Phone: (306) 787-6762
Fax: (306) 787-2223

Overall Goals/Scope of Services:

- Design of curriculum materials e.g. guides, bulletins, etc. for courses of study.
- Program evaluation, implementation, and maintenance.
- Resource materials evaluation and some production.

New and Updated Materials/Activities:

Science. A Curriculum Guide for the Elementary Level
(includes *Bulletin – Key Resources*) (1990)
\$13.90 plus tax @ Book Bureau (BB) No. 5926.

Science. A Bibliography for the Elementary Level (1990)
\$4.70 plus tax @ BB No. 6095.

Science 10. A Curriculum Guide for the Secondary Level
(includes *Bulletin Key Resources*) (1991)
\$3.75 plus tax @ BB No. 759.

Note: The Saskatchewan Resource Series produced in partnership with industry is Saskatchewan specific. The *Petroleum* and *Uranium* kits have not been produced in quantities for commercial distribution, only for Saskatchewan schools grades 7-10.

SaskPower

Address:

2025 Victoria Avenue
Regina, Saskatchewan
S4P 0X1

Key Contacts:

Bee Energy Aware
Carol Hayward
Home Advisor, Marketing Services
Phone: (306) 566-2843
Fax: (306) 566-3305

Safety
Larry Brandt
Manager, Safety and Occupational Health
Phone: (306) 566-2412
Fax: (306) 566-2087

Environment
Ken MacDonald
Manager, Environmental Communications
Phone: (306) 566-2900
Fax: (306) 566-2548

SaskPower and Youth
Ed L. McQuarters
Manager, Community Relations
Phone: (306) 566-3172
Fax: (306) 566-2548

Overall Goals/Scope of Services:

The primary objective of SaskPower is to meet the electrical needs of Saskatchewan residents in a reliable, safe, efficient and environmentally responsible manner, while providing extraordinary customer service.

The statement declares SaskPower's intention to promote the wise use of energy, develop environmental awareness, and consider the environmental implications of all alternative energy sources. In working with teachers and students, SaskPower hopes to encourage the development of positive attitudes on the wise and safe use of energy with the following programs:

- 1) Bee Energy Aware
- 2) Safety
- 3) Environment
- 4) SaskPower and Youth

New and Updated Materials/Activities:

- *Safety and You*, An activity book about electricity and safety.
- *Greener Generation Video*, 20 minutes (includes teachers handbook.)
- *Our Future Generation*, 20 page book, *Energy and the Environment* as it relates to Saskatchewan.
- *Energy and the Environment*, 16 page booklet, activities for grades 4,5 and 6.
- *Responsibility to the Environment*, 16 page booklet, Corporate commitment to the environment.
- *Energy and Environment Showcase*, portable display with interactive component. Available for schools, trade shows, etc. display literature and staff available on request, subject to scheduling.
- SaskPower/Interculture Canada Essay Competition Scholarship.
- 4-H and Safety Program.
- SEEDS (Society, Environment and Energy Development Studies) Program for science teachers at all grade levels.
- SaskPower/4-H Learn and Earn Program.
- Student Leadership Conference. SaskPower provides speakers and/or a display for the students and teacher advisors.
- Financial assistance to the Duke of Edinburgh's Award in Saskatchewan.
- The Energy Resources Tours for teachers.
- *Power Rap*: A four page newsletter devoted to the sharing of information between SaskPower and youth across Saskatchewan.

	Fort Whyte Centre for Environmental Education	Manitoba Energy and Mines	Manitoba Hydro	<p>Activities indicate the full range of services or projects in which the organization plays a central or leading role.</p> <p>The letter codes indicate target groups involved in each of the organization's activities.</p> <p>E = Elementary (P – 3)</p> <p>I = Intermediate (3 – 6)</p> <p>J = Junior High</p> <p>S = Senior High</p> <p>G = General Public</p> <ul style="list-style-type: none"> ● = A subject in which the organization plays a central or leading role. — = An activity in which the organization does not play a role. = An empty column indicates no information was supplied by the organization. 	<p>Subjects are those in which the organization has produced significant, reasonably distinct and original resource materials, particularly those which the organization felt could be of interest to others involved in energy education across Canada.</p> <ul style="list-style-type: none"> ● = A subject in which the organization plays a central or leading role. — = An activity in which the organization does not play a role. = An empty column indicates no information was supplied by the organization.
				<p>Activity</p> <p><i>Non-curriculum Information</i></p> <p>Original Publications</p> <p>Reference Literature</p> <p>Films and Videos</p> <p><i>Curriculum Materials</i></p> <p>Teachers Guides</p> <p>Student Resources</p> <p>AV Support</p> <p>School Visitation</p> <p>Touring Drama</p> <p>Facility Tour</p> <p>Original Newsletter</p> <p>Teacher Conference/Workshops</p> <p>Teacher Inservice</p> <p>Promo Materials (stickers, calendars, mugs, etc.)</p> <p>Displays</p> <p>Stratagem</p> <p>Interactive Games (excluding Stratagem)</p> <p>Post Secondary Education</p> <p>Bi/Multi-lingual</p> <p>Subject</p> <p>CrudeOil/Refined Petroleum Products</p> <p>Natural Gas</p> <p>Wood Energy</p> <p>Electricity</p> <p>Municipal Solid Waste</p> <p>Hydro</p> <p>Solar</p> <p>Wind</p> <p>Other Renewables</p> <p>Nuclear</p> <p>Offshore/Frontier Developments</p> <p>Oil Sands</p> <p>Energy and Environment</p> <p>Acid Rain</p> <p>Greenhouse Effect</p> <p>Energy Utilization (includes conservation and efficiency)</p> <p>Cogeneration and District Heating</p> <p>Electrical Safety</p> <p>Petrochemicals</p> <p>Water Conservation</p> <p>Economics</p> <p>Ground Level Ozone</p>	

Fort Whyte Centre for Environmental Education

Address:

P.O. Box 124
1961 McCreary Road
Winnipeg, Manitoba
R3Y 1G5

Key Contacts:

Leanne Dreffs
Energy Education Coordinator
Phone: (204) 895-7001
Fax: (204) 895-4700

Wendy Loly
Director of Education
Phone: (204) 895-7001
Fax: (204) 895-4700

Overall Goals/Scope of Services:

Currently researching and developing a complete energy education component for its Sustainable Living program. The energy education segment will include an on-site interactive exhibit called "Energy Encounters" as well as extensive on and off-site programming.

New and Updated Materials/Activities:

To be produced in 1992.

Manitoba Energy and Mines

Address:

Energy Programs (Buildings) Branch
555-330 Graham Avenue
Winnipeg, Manitoba
R3C 4E3

Key Contacts:

Tom Wyndels
Technical Advisor
Phone: (204) 945-4335
Fax: (204) 945-0586

Overall Goals/Scope of Services:

To ensure that there is a secure supply of energy available to Manitobans at a reasonable cost; and to foster and encourage the wise use of energy through the promotion of energy efficiency and conservation.

New and Updated Materials/Activities:

A draft sustainable development strategy was developed by the department. Workbooks setting out "An Energy Strategy" were released November 1990 and workshops conducted at several locations throughout the province.

Manitoba Hydro Energy Management

Address:

P.O. Box 815
820 Taylor Avenue
Winnipeg, Manitoba
R3C 2P4

Key Contacts:

Lauren Dent
Education and Safety Coordinator
Phone: (204) 474-3391
Fax: (204) 475-9044

Overall Goals/Scope of Services:*School Programs:*

To facilitate the learning of electrical concepts, production of electricity as well as the safe and efficient use of electrical energy.

Seniors Program:

Lifestyle 2000 – To provide information on the cost of energy, electrical safety and other appropriate topics of interest to senior customers.

New and Updated Materials/Activities:*School Programs:*

Louie the Lightning Bug, Safety Program, School Kits – Grades 1-6.

Seniors Program:

Lifestyle 2000

Ontario

Canadian Energy Education Directory, Fourth Edition, **March 1992**

Alternatives

Address:

c/o Environmental Studies
University of Waterloo
Waterloo, Ontario
N2L 3G1

Key Contacts:

Bob Gibson
Editor
Phone: (519) 885-1211 Ext 3407
Fax: (519) 746-0292

Suzanna Reid
Managing Editor
Phone: (519) 885-1211 Ext 6783
Fax: (519) 885-0292

Overall Goals/Scope of Services:

Publication of Canadian Environmental
journal/newsmagazine, *Alternatives*.

New and Updated Materials/Activities:

4 issues/year

Atomic Energy of Canada Limited Chalk River Laboratories

Address:

Chalk River, Ontario
K0J 1J0

Key Contacts:

Patricia A. Smith
Supervisor, Visitors Centre
Phone: (613) 584-3311 local 4427
Fax: (613) 584-1350

Overall Goals/Scope of Services:

- To welcome visitors to Chalk River Laboratories.
- To provide tours of the facilities.
- To provide information on the nuclear industry.

The Conservation Council of Ontario

Energy Educators of Ontario

Address:

506-489 College Street
Toronto, Ontario
M6G 1A5

Key Contacts:

Chris Winter
Executive Director
Phone: (416) 969-9637
Fax: (416) 960-8053

Overall Goals/Scope of Services:

To work for the conservation of natural resources and protection of the environment for the common good and a sustainable future in Ontario.

New and Updated Materials/Activities:

- "An Environmental Strategy for Ontario: Draft for Public Review," July 1990.
- "Organizing a Community Group for Action: Draft," August 1991 (part of community action plan project).
- New format for newsletter, "Ontario Conservation News" (published six times each year).

Address:

517 College Street
Suite 406
Toronto, Ontario
M6G 4A2

Key Contacts:

Douglas Hayhoe
Executive Director
Phone: (416) 323-9210
Fax: (416) 323-0689

Frank Allan
Chairperson
Phone: (416) 725-2148
Fax: (416) 722-2646

Overall Goals/Scope of Services:

- To promote the awareness of energy through education.
- To educate concerning energy concepts, renewable and alternate forms of energy, the impact of energy usage on the environment and energy efficiency.
- To encourage and support a network of Ontario educators working for the improvement of energy education.

New and Updated Materials/Activities:

1. An international energy education "brainstorming" conference in the Toronto area, October 14-16, 1992, held in connection with the ECO ED 92 international environmental conference planned for Toronto, October 17-21, 1992.
2. "Full of Energy" (Gr. JK-1) and "Primarily Energy" (Gr. 2-3) are new teacher resource manuals that are comprehensive, integrated units for young students. Each contains at least 40 whole group activities, 50 learning centres, etc.
3. "Lifestyle: The Energy Game" (Gr. 6-12), a monopoly style board game on energy efficiency, available in March 1992.
4. "Human Global Energy Issues" (Gr. 8), an interdisciplinary, Transition Years, student-oriented, teacher resource unit, available in March, 1992.
5. "The Efficient Use of Energy in Canada" (Gr. 9), a cross-curricular teacher resource unit, similar to above, available in March 1992.
6. "Connections" (Grade 11-13) A Student/Teacher independent study guide, with 100 suggested, energy-environment topics, available in March 1992.

Address:

225 Brunswick Avenue
Toronto, Ontario
M5S 2M6

Key Contacts:

Sandra Channer
Office Manager
Phone: (416) 978-7014
Fax: (416) 978-3824

Overall Goals/Scope of Services:

Goals: To educate Canadians about the benefits of conservation and renewable energy; to help Canada secure long term energy self-sufficiency in the shortest possible time, with the fewest disruptive effects and with the greatest societal, environmental and economic benefits.

Activities: Range from publishing books, articles and information kits to participating in cases and hearings such as our challenge to the Nuclear Liability Act and our intervention in Hydro's Demand-Supply Plan hearing.

New and Updated Materials/Activities:

Books: "Power at What Cost? Why Ontario Hydro is Out of Control and What Needs to be Done About it," by Lawrence Solomon (revised 1990).

Other: A complete list is available by contacting the above.

Friends of the Earth

Kortright Centre for Conservation

Address:

701-251 Laurier Avenue W.
Ottawa, Ontario
K1P 5J6

Key Contacts:

Julia Langer
Executive Director
Phone: (613) 230-3352
Fax: (613) 232-4354

Michael Gareau
Information Officer
Phone: (613) 230-3352
Fax: (613) 232-4354

Overall Goals/Scope of Services:

Campaigns:

- Protection of the ozone layer
- Global Warming
- Sustainable agriculture

Mandate:

- Public education
- Advocacy
- Research

New and Updated Materials/Activities:

A publications list outlining materials is available by contacting the above.

Address:

5 Shoreham Drive (mailing address only)
Downsview, Ontario
M3N 1S4

Key Contacts:

Alex Waters
Energy Theme Education Coordinator
Phone: (416) 832-2289
Fax: (416) 661-6898

Overall Goals/Scope of Services:

- To promote the messages of the Ontario Ministry of Energy.
- To make the public more aware of ways to utilize renewable energy forms to be more energy efficient.
- To provide education programs on various forms of renewable technology.
- Act as a reference source for people with renewable energy/energy efficiency questions.

New and Updated Materials/Activities:

- A variety of public and school group programs
- Numerous alternative energy displays

Nuclear Awareness Project

Ontario Hydro, Energy Information Centre

Address:

Box 2331
Oshawa, Ontario
L1H 7V4

Key Contacts:

Irene Kock
Phone: 416) 725-1565

Jan Mayer
Phone: (416) 725-1565

Overall Goals/Scope of Services:

Public education about sustainable energy alternatives, nuclear fuel chain issues. Operation of a public resource centre.

New and Updated Materials/Activities:

Nuclear Power Booklet by Clifford Maynes, 2nd edition
1990 – \$2.50 each, 48 p.

Great Lakes Nuclear Hotspots map, 1991 – \$5.00 full colour 17x22"

Address:

Darlington Generating Station
Box 1000
Bowmanville, Ontario
L1C 3W2

Key Contacts:

Suzanne Stickland
Phone: (416) 623-7122
Fax: (416) 697-7907

Overall Goals/Scope of Services:

To inform and educate the public about electrical generation in the province of Ontario, primarily nuclear generation.

New and Updated Materials/Activities:

- Nuclear Waste Management Exhibit
- Environment Exhibit

Ontario Hydro, R.H. Saunders Energy Information Centre

Address:

Box 999
Cornwall, Ontario
K6H 5V1

Key Contacts:

Linda Halliday
Supervisor
Phone: (613) 938-1518
Fax: (613) 932-9981

Overall Goals/Scope of Services:

To provide visitors to the Centre with an educational experience about electricity, energy and Ontario Hydro's complex system. To tell the story of the St. Lawrence Seaway and Power Project and hydro-electric generation.

In the Outreach program, to carry out programs in schools at all age levels to facilitate students' understanding of energy, electricity, electrical safety, generation and transmission, as well as future electrical options.

To provide public information about electricity in all its aspects, but dealing specifically with safety, generation and transmission and health effects of electric and magnetic fields.

New and Updated Materials/Activities:

- Hazard Hamlet Program on Public Electrical Safety.
- Conservation and Environment Energy Awareness Program.
- Kids Summer Program on Energy.

Ontario Ministry of Energy

Address:

56 Wellesley Street West
14th floor
Toronto, Ontario
M7A 2B7

Key Contacts:

Lina Price
Program Officer
Phone: (416) 327-1486
Fax: (416) 327-1514

Overall Goals/Scope of Services:

To develop an awareness and knowledge of energy issues among students and teachers leading to informed choices on energy matters.

New and Updated Materials/Activities:

The Ministry of Energy is planning to fund a 32 page activity and resource book focusing on energy, energy conservation and the inter-relationship between energy and the environment – to support children from grades 2-7. Produced by the Young Naturalist Foundation, the creators of *Owl* magazine. Available May, 1992.

Recycling Council of Ontario

Address:

489 College Street
Suite 504
Toronto, Ontario
M6G 1A5

Key Contacts:

John Hanson
Executive Director

Jill Dunkley
Information Manager

Pat McFarlane
Editor, Recycling Update

Irene Fedun
Librarian

Phone: (416) 960-1025
Fax: (416) 960-8053

Overall Goals/Scope of Services:

It is the belief of the members of the Recycling Council of Ontario that society could make wiser use of the natural resources upon which it relies, by reducing needless waste and by incorporating the logic of the three r's (reduction, reuse, recycling) into all aspects of its use of those resources.

New and Updated Materials/Activities:

- Vermicomposting video available January '92.

	Canadian Earth Energy Association	Canadian Gas Association	Canadian Nuclear Association	Canadian Wind Energy Association	Energy, Mines and Resources Canada	Independent Petroleum Association of Canada	SEEDS Foundation	Solar Energy Society of Canada	<p>Activities indicate the full range of services or projects in which the organization plays a central or leading role.</p> <p>The letter codes indicate target groups involved in each of the organization's activities.</p> <p>E = Elementary (P – 3)</p> <p>I = Intermediate (3 – 6)</p> <p>J = Junior High</p> <p>S = Senior High</p> <p>G = General Public</p> <p>● = A subject in which the organization plays a central or leading role.</p> <p>— = An activity in which the organization does not play a role.</p> <p>= An empty column indicates no information was supplied by the organization.</p> <p>Subjects are those in which the organization has produced significant, reasonably distinct and original resource materials, particularly those which the organization felt could be of interest to others involved in energy education across Canada.</p> <p>● = A subject in which the organization plays a central or leading role.</p> <p>— = An activity in which the organization does not play a role.</p> <p>= An empty column indicates no information was supplied by the organization.</p>
			— JS	G —	G G G	G G —	— — — EIJ EIJ EI		<p>Activity</p> <p><i>Non-curriculum Information</i></p> <p>Original Publications</p> <p>Reference Literature</p> <p>Films and Videos</p> <p><i>Curriculum Materials</i></p> <p>Teachers Guides</p> <p>Student Resources</p> <p>AV Support</p> <p>School Visitation</p> <p>Touring Drama</p> <p>Facility Tour</p> <p>Original Newsletter</p> <p>Teacher Conference/Workshops</p> <p>Teacher Inservice</p> <p>Promo Materials (stickers, calendars, mugs, etc.)</p> <p>Displays</p> <p>Stratagem</p> <p>Interactive Games (excluding Stratagem)</p> <p>Post Secondary Education</p> <p>Bi/Multi-lingual</p> <p>Subject</p> <p>CrudeOil/Refined Petroleum Products</p> <p>Natural Gas</p> <p>Wood Energy</p> <p>Electricity</p> <p>Municipal Solid Waste</p> <p>Hydro</p> <p>Solar</p> <p>Wind</p> <p>Other Renewables</p> <p>Nuclear</p> <p>Offshore/Frontier Developments</p> <p>Oil Sands</p> <p>Energy and Environment</p> <p>Acid Rain</p> <p>Greenhouse Effect</p> <p>Energy Utilization (includes conservation and efficiency)</p> <p>Cogeneration and District Heating</p> <p>Electrical Safety</p> <p>Petrochemicals</p> <p>Water Conservation</p> <p>Economics</p> <p>Ground Level Ozone</p>

Canadian Earth Energy Association

Address:

2978 Barlow Crescent
Dunrobin, Ontario
K0A 1T0

Key Contacts:

Peter Scott-Smith
Executive Director
Phone: (613) 832-1854
Fax: (613) 832-3308

Overall Goals/Scope of Services:

The Association is the one-stop reference point for technical, industrial or commercial information, research programs, international affairs, regulations and scientific developments. The Association leads the technology transfer, education and public awareness activities through an outreach program that takes the technology to the people in each region of Canada, in the form of lectures, seminars and workshops supported by printed and audio-visual material.

Canadian Gas Association

Address:

55 Scardsale Road
Don Mills, Ontario
M3B 2R3

Key Contacts:

Ed Cartwright
Manager, Communications
Phone: (416) 447-6465
Fax: (416) 447-7067

Patti Murphy
Communications Officer
Phone: (416) 447-6465
Fax: (416) 447-7067

Overall Goals/Scope of Services:

The Canadian Gas Association is the national trade organization for Canada's multi-billion dollar natural gas industry. Its 300 corporate members span the industry spectrum from production, transmission, and distribution companies, to marketers, brokers and manufacturers of components, equipment and appliances. The primary objective of CGA is to stimulate growth in Canada's natural gas industry by focusing its activities on all aspects of customer and market development to meet the collective needs of the industry.

New and Updated Materials/Activities:

- Natural Gas in the Canadian Economy (English only)
- Natural Gas. The Natural Choice (English and French)
- Canada's Natural Gas Industry. Just The Facts (English and French)
- Natural Gas Today. Series of Fact Sheets (English only)

Address:

144 Front Street West, Suite 725
Toronto, Ontario
M5J 2L7

Key Contacts:

Kristin Plater
Coordinator, Information Program
Phone: (416) 977-5211
Fax: (416) 979-8356

Mike Sydney
Administrative Assistant
Phone: (416) 977-5211
Fax: (416) 979-8356

Overall Goals/Scope of Services:

The Canadian Nuclear Association is a non-profit voluntary membership body established in 1960, to promote the orderly and sound development of nuclear energy in Canada and abroad for purposes other than those related to armament.

The Association is composed of many industries and enterprises sharing a common interest in the development and application of nuclear energy for peaceful purposes. The Association's membership includes uranium producers, reactor manufacturers, electrical utilities, engineering companies, banks, employee unions, departments of federal and provincial governments, and educational establishments.

The Canadian Nuclear Association was established to:

- 1) create and foster an environment favourable to the healthy growth of sound applications for nuclear energy and radioisotopes;
- 2) encourage cooperation between various industries, utilities, educational institutions, government departments and agencies, and other authoritative bodies which have a common interest in the development of economic uses for nuclear power and radioisotopes;
- 3) provide a forum for the discussion and resolution of problems which are of concern to the members, to the industry, or to the Canadian public in general;
- 4) stimulate cooperation between other associations with similar objectives and purposes.

New and Updated Materials/Activities:**New Fact Sheets:**

Are Canadians insured against nuclear plant accidents?
How do we protect the environment in uranium mining?
What is a slowpoke?
What are the main advantages of nuclear energy?

There are 21 fact sheets in total.

Address:

153 3rd Avenue
Ottawa, Ontario
K1S 2J9

Key Contacts:

David Hoffman
Office Manager
Phone: (613) 234-9463
Fax: (613) 567-1060

Overall Goals/Scope of Services:

To inform all members of the public about wind energy technology, products, services available or under development.

Address:

580 Booth Street
Ottawa, Ontario
K1A 0E4

Key Contacts:

Richard Davies
Chief, Technical Information
Phone: (613) 996-8115
Fax: (613) 996-9416

Aldyth Holmes
Manager, Office of Coordination and Technical Information
Phone: (613) 996-9909
Fax: (613) 996-9416

Overall Goals/Scope of Services:

To provide information on energy efficiency and alternative energy technologies, the extent of alternative energy resources and how these technologies may be applied by homeowners, businesses and industry.

New and Updated Materials/Activities:

Lists of technical reports produced are available on request.

General Publications:

Branch Brochure
CANMET/EAETB Program Description
PV Buyers Guide
Wind Buyers Guide
Bioenergy Projects Digest (4 vols.)
Transportation Booklets (Series)

Canadian Wind Energy Association

Energy, Mines and Resources Efficiency and Alternative Energy Branch

Address:

153 3rd Avenue
Ottawa, Ontario
K1S 2J9

Key Contacts:

David Hoffman
Office Manager
Phone: (613) 234-9463
Fax: (613) 567-1060

Overall Goals/Scope of Services:

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Address:

580 Booth Street
Ottawa, Ontario
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Phone: (613) 996-9909
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General Publications:

Branch Brochure
CANMET/EAETB Program Description
PV Buyers Guide
Wind Buyers Guide
Bioenergy Projects Digest (4 vols.)
Transportation Booklets (Series)

Independent Petroleum Association of Canada

Address:

Suite 700, 707 7th Avenue S.W.
Calgary, Alberta
T2P 0Z2

Key Contacts:

Gerard J. Protti
Executive Director
Phone: (403) 290-1530
Fax: (403) 290-1680

L. Ann Beattie
Manager, Administration and Public Affairs
Phone: (403) 290-1530
Fax: (403) 290-1680

Overall Goals/Scope of Activities:

IPAC is an industry association. The Association represents the economic interests of companies who are Canada's independent crude oil and natural gas explorers and producers before legislators, regulators, other industry sectors and the general public. Founded in 1960 with 18 member companies, IPAC currently has 165 producer members and about 120 associate members who provide goods and services to the Canadian petroleum industry. IPAC is operated as a not-for-profit organization.

New and Updated Materials/Activities:

- *Canadian Energy and the Independent Producer* (updated annually)
- Annual Report
- *IPAC Quarterly* (newsletter)
- *Guidelines for the Preparation of Public Safety Emergency Response Plans for Sour Gas Drilling, Completion and Servicing* (IPAC and CPA).

SEEDS Foundation

Address:

440, 10169-104 Street
Edmonton, Alberta
T5J 1A5

Key Contacts:

Dan Stoker
Program Director
Phone: (403) 424-0971
Fax: (403) 424-2444

Overall Goals/Scope of Services:

Three mandates:

- *Literacy* – Development of new Sustainable Development Literacy Series (fall 1991)
- *Learners in Action* – Awards program recognizing environmental action of school children
- *Leadership* – Environmental Leadership Forum (national)

New and Updated Materials/Activities:

- Four new modules in SEEDS Sustainable Development Literacy Series
- New Learners in Action program (trophy, log book, resource guide, poster)
- New Environmental Leadership Forum, University of Calgary

Solar Energy Society of Canada Inc. (SESCI)

Address:

Suite 3, 15 York Street
Ottawa, Ontario
K1N 5S7

Key Contacts:

Ruth McKlusky
Executive Director and Editor of SOL
Phone: (613) 236-4594
Fax: (613) 236-5053

Overall Goals/Scope of Services:

Mandate is to promote energy conservation and the responsible use of renewable energy sources to the public.

SESCI

- publishes the bi-monthly *SOL* magazine
- organizes an annual technical conference
- awards prizes for science fair projects
- organizes the Great Canadian Solar Race
- awards the Bolton Scholarship for research in conservation and renewables
- provides public speaking service to media, public, schools, government, etc.

New and Updated Materials/Activities:

Canada ReNews – 4-page brochure for the layperson, explains renewable energy sources and applications in easily comprehensible terms. Ongoing (comes out spring, summer, fall, winter). \$20 subscription.

[illegible]

Address:

75 Rene Levesque bd, West
19th floor
Montréal, Québec
H2Z 1A4

Key Contacts:

Linda Zuliani
Communications Counselor
Phone: (514) 289-3968
Fax: (514) 847-0323

Fabiola Renaud
Resource Person, Technology
Phone: (514) 289-2250
Fax: (514) 847-0323

Overall Goals/Scope of Services:

Improve knowledge and awareness of electricity production, transport and distribution among children.

Make children aware of energy efficiency, electricity dangers and to safety measures.

Current programs/services include:

- A corporate safety program for children at the elementary level "Safety on the Line."
- The distribution of documentation and audio-visual productions.

New and Updated Materials/Activities:

New printed and audio-visual documents will be made available in 1992. Some of them could be of interest for teachers and students at the high school level.

Address:

425, avenue Viger Ouest, bureau 600
Montréal, Québec
H2Z 1W9

Key Contacts:

Gilles Ménard
Service Conseils
Phone: (514) 873-5463
Fax: (514) 873-6946

Terese Masson
Service Information
Phone: (514) 873-6946

Overall Goals/Scope of Services:

Train students to the rational use of natural resources. The intention is to make this program an instrument of thought and preparation to a way of life. Not only is knowledge pursued, but also the development of attitudes and behaviours in agreement with a better understanding of the key-position of energy. The intervention focuses on the "savior-être" of the student. Hence a complementary enrichment with other branches of instruction is looked for.

New and Updated Materials/Activities:**Acting on Energy I**

Educational activities relating to preschool and primary school teaching – The Rational Use of Energy.

Acting on Energy II

Educational activities relating to secondary school teaching.

Energy, Let's Use It Right

A complement to *Acting on Energy I*, additional activities for the teachers.

	Energy and Environment Educators of New Brunswick	<p>Activities indicate the full range of services or projects in which the organization plays a central or leading role.</p> <p>The letter codes indicate target groups involved in each of the organization's activities.</p> <p>E = Elementary (P – 3) I = Intermediate (3 – 6) J = Junior High S = Senior High G = General Public</p> <ul style="list-style-type: none"> ● = A subject in which the organization plays a central or leading role. — = An activity in which the organization does not play a role. = An empty column indicates no information was supplied by the organization. <p>Subjects are those in which the organization has produced significant, reasonably distinct and original resource materials, particularly those which the organization felt could be of interest to others involved in energy education across Canada.</p> <ul style="list-style-type: none"> ● = A subject in which the organization plays a central or leading role. — = An activity in which the organization does not play a role. = An empty column indicates no information was supplied by the organization.
	EIJSJG EIJSJG JSJG EIJS EIJS EI — — — ● ● — ● ● — — — ● ● — — ● ● ● ● ● ● ● — — — — — —	<p>Activity</p> <p><i>Non-curriculum Information</i></p> <p>Original Publications</p> <p>Reference Literature</p> <p>Films and Videos</p> <p><i>Curriculum Materials</i></p> <p>Teachers Guides</p> <p>Student Resources</p> <p>AV Support</p> <p>School Visitation</p> <p>Touring Drama</p> <p>Facility Tour</p> <p>Original Newsletter</p> <p>Teacher Conference/Workshops</p> <p>Teacher Inservice</p> <p>Promo Materials (stickers, calendars, mugs, etc.)</p> <p>Displays</p> <p>Stratagem</p> <p>Interactive Games (excluding Stratagem)</p> <p>Post Secondary Education</p> <p>Bi/Multi-lingual</p> <p>Subject</p> <p>CrudeOil/Refined Petroleum Products</p> <p>Natural Gas</p> <p>Wood Energy</p> <p>Electricity</p> <p>Municipal Solid Waste</p> <p>Hydro</p> <p>Solar</p> <p>Wind</p> <p>Other Renewables</p> <p>Nuclear</p> <p>Offshore/Frontier Developments</p> <p>Oil Sands</p> <p>Energy and Environment</p> <p>Acid Rain</p> <p>Greenhouse Effect</p> <p>Energy Utilization (includes conservation and efficiency)</p> <p>Cogeneration and District Heating</p> <p>Electrical Safety</p> <p>Petrochemicals</p> <p>Water Conservation</p> <p>Economics</p> <p>Ground Level Ozone</p>

Energy and Environment Educators of New Brunswick (EENB)

Address:

P.O. Box 1542
Fredericton, N.B.
E3B 5G2

Key Contacts:

Angela Birdsell
Executive Director
Phone: (506) 450-1581
Fax: (506) 452-7646

Clair Ripley
President
Phone: (506) 453-2080
Fax: (506) 452-7646

Overall Goals/Scope of Services:

EENB is a New Brunswick information network of volunteer members dedicated to extending and promoting energy and environmental education.

The pro-active organization provides an opportunity for educators, energy and environmental professionals, business and industry leaders and interested individuals to share concerns for energy and the environment.

Through this forum EENB develops an understanding of energy choices and the impact of these choices on the environment.

New and Updated Materials/Activities:

- Annual Meeting and Symposium
- Newsletter
- "Mug Up" for the Environment
- An annual summer waste reduction campaign throughout the Province of New Brunswick.

Canadian Energy Education Directory, Fourth Edition, **March 1992**

Atlantic Wind Test Site

Department of Education

Address:

RR 4
Tignish, P.E.I.
C0B 2B0

Key Contacts:

Carl Brothers
Operations Manager
Phone: (902) 882-2746
Fax: (902) 882-3260

Overall Goals/Scope of Services:

The Atlantic Wind Test Site is a facility for the development and testing of wind energy technology. We are not an educational facility, but we do co-operate on an individual basis with persons or groups interested in visiting our facility or in receiving any information relevant to wind energy.

Address:

Box 2000
Charlottetown, P.E.I.
C1A 7N8

Key Contact:

Don Norman
Science Consultant
Phone: (902) 368-4670
Fax: (902) 368-4663

Overall Goals/Scope of Services:

Curriculum planning/development/implementation.

Department of Energy and Forestry

Maritime Electric Company Limited

Address:

P.O. Box 2000
Charlottetown, P.E.I.
C1A 7N8

Key Contacts:

Virginia Bulger
Energy Programs Coordinator
Phone: (902) 368-5010
Fax: (902) 368-5544

Mike Proud
Information Officer
Phone: (902) 368-6010
Fax: (902) 368-5544

Overall Goals/Scope of Services:

To educate Island youth about P.E.I.'s unique energy situation, the efficient use of energy and alternate sources of fuel available in P.E.I.

New and Updated Materials/Activities:

- *Learning Energy and Forestry Newsletter* (3 times yearly).
- *Dr. Five* (Drama for Junior High Students on Biomass Energy).

Address:

180 Kent Street
P.O. Box 1329
Charlottetown, P.E.I.
C1A 7N2

Key Contacts:

W.W. Brown
Information and Public Affairs
Phone: (902) 566-1599
Fax: (902) 566-2692

K.J. Haywood
Safety Supervisor
Phone: (902) 566-1599
Fax: (902) 566-2692

Overall Goals/Scope of Services:

To create an awareness among school children of the potential hazards around electric utility installations.

	Ecology Action Centre	Nova Scotia Power Corporation	Nova Scotia Department of Natural Resources	<p>Activities indicate the full range of services or projects in which the organization plays a central or leading role.</p> <p>The letter codes indicate target groups involved in each of the organization's activities.</p> <p>E = Elementary (P – 3)</p> <p>I = Intermediate (3 – 6)</p> <p>J = Junior High</p> <p>S = Senior High</p> <p>G = General Public</p> <p>● = A subject in which the organization plays a central or leading role.</p> <p>— = An activity in which the organization does not play a role.</p> <p>= An empty column indicates no information was supplied by the organization.</p>	<p>Subjects are those in which the organization has produced significant, reasonably distinct and original resource materials, particularly those which the organization felt could be of interest to others involved in energy education across Canada.</p> <p>● = A subject in which the organization plays a central or leading role.</p> <p>— = An activity in which the organization does not play a role.</p> <p>= An empty column indicates no information was supplied by the organization.</p>
	G	EIJSG	—	Activity	
	—	EIJSG	—	<i>Non-curriculum Information</i>	
	—	IJS	—	Original Publications	
	—	—	—	Reference Literature	
	—	—	—	Films and Videos	
	—	—	—	<i>Curriculum Materials</i>	
	—	—	EI	Teachers Guides	
	—	EIJSG	EI	Student Resources	
	—	●	●	AV Support	
	—	—	—	School Visitation	
	—	●	—	Touring Drama	
	●	—	—	Facility Tour	
	—	●	●	Original Newsletter	
	—	—	●	Teacher Conference/Workshops	
	—	●	●	Teacher Inservice	
	●	●	—	Promo Materials (stickers, calendars, mugs, etc.)	
	—	—	—	Displays	
	—	—	—	Stratagem	
	—	—	—	Interactive Games (excluding Stratagem)	
	—	—	—	Post Secondary Education	
	—	—	—	Bi/Multi-lingual	
	—	—	—	Subject	
	—	—	—	CrudeOil/Refined Petroleum Products	
	—	—	—	Natural Gas	
	●	●	—	Wood Energy	
	●	—	—	Electricity	
	—	●	—	Municipal Solid Waste	
	—	●	—	Hydro	
	—	●	—	Solar	
	—	●	—	Wind	
	—	●	—	Other Renewables	
	—	—	—	Nuclear	
	—	—	—	Offshore/Frontier Developments	
	—	—	—	Oil Sands	
	●	●	●	Energy and Environment	
	●	●	—	Acid Rain	
	●	●	—	Greenhouse Effect	
	●	●	●	Energy Utilization (includes conservation and efficiency)	
	—	●	—	Cogeneration and District Heating	
	—	—	—	Electrical Safety	
	●	—	—	Petrochemicals	
	—	●	—	Water Conservation	
	—	—	—	Economics	
	—	—	—	Ground Level Ozone	

Department of Natural Resources

Ecology Action Centre

Address:

P.O. Box 698
Halifax, N.S.
B3J 2T9

Key Contacts:

Clive Sweeney
Energy Education Officer
Phone: (902) 424-8188
Fax: (902) 424-7735

Cathy Delano
Energy Education Officer
Phone: (902) 424-8188
Fax: (902) 424-7735

Overall Goals/Scope of Activities:

To raise energy awareness in the young people of Nova Scotia by means of in-school presentations and appropriate support materials.

Most of the presentations involve a mixture of skits, games, films, slide shows, etc.

New and Updated Materials/Activities:

New in-school presentations for elementary grades:

- "Energy is Very Important Stuff" (P-3)
- "Tom and Suzi Save Energy" (4-6)

New hand-out materials for teachers to use as followup, including three booklets of "Energy Activities" (early, middle and later elementary)

Address:

3115 Veith Street
Halifax, N.S.
B3K 3G9

Key Contacts:

Howard Epstein
Director
Phone: (902) 454-7828
Fax: (902) 454-4766

Lynne Isnor
Officer Manager
Phone: (902) 454-7828
Fax: (902) 454-4766

Overall Goals/Scope of Services:

Protect the natural environment of Nova Scotia through education, advocacy and action.

New and Updated Materials/Activities:

Escaping the Heat Trap – poster and pamphlet
Home Waste Audit
Treating the Earth as Your Home – poster series

Numerous educational pamphlets on waste reduction, incineration, harbour clean-up and wilderness areas.

Nova Scotia Power Corporation

Address:

P.O. Box 910
Halifax, N.S.
B3J 2W5

Key Contacts:

Maurice MacDonald
Senior Communications Officer
Phone: (902) 428-6394
Fax: (902) 428-6112

Catherine McGrail
Manager, Corporate Communications
Phone: (902) 428-6504
Fax: (902) 428-6112

Overall Goals/Scope of Services:

Generation, transmission and distribution of electricity, energy efficiency and conservation, environmental protection, safety.

New and Updated Materials/Activities:

- *Options and Opportunities – Meeting Nova Scotia's Electricity Needs*
- *The Point Aconi Generating Station*
- *The Efficiency Report*
- *Your Electric Guide*
- *Use Less Energy Better*
- *Control of Atmospheric Emissions*
- *Environmental Practices*
- *Powerful Words*
- *Annual Report*

	ACE – Alternative and Conservation Energies Inc.	Alberta Power Ltd.	P. J. Spratt	Polestar Communications	Synergetics Consulting Limited	Wilson Educational Services Inc.	<p>Activities indicate the full range of services or projects in which the organization plays a central or leading role.</p> <p>The letter codes indicate target groups involved in each of the organization's activities.</p> <p>E = Elementary (P – 3)</p> <p>I = Intermediate (3 – 6)</p> <p>J = Junior High</p> <p>S = Senior High</p> <p>G = General Public</p> <p>● = A subject in which the organization plays a central or leading role.</p> <p>— = An activity in which the organization does not play a role.</p> <p>= An empty column indicates no information was supplied by the organization.</p> <p>Subjects are those in which the organization has produced significant, reasonably distinct and original resource materials, particularly those which the organization felt could be of interest to others involved in energy education across Canada.</p> <p>● = A subject in which the organization plays a central or leading role.</p> <p>— = An activity in which the organization does not play a role.</p> <p>= An empty column indicates no information was supplied by the organization.</p>
	—	ISG	—	EIJS	EIJS	S	Activity
	—	EIJS	—	JSG	EIJS	SG	<i>Non-curriculum Information</i>
	—	EIJ	EIJS	—	EIJS	—	Original Publications
	—	EI	EIJS	EIJS	EJS	S	Reference Literature
	—	EI	EIJS	EIJS	EIJS	SG	Films and Videos
	—	EIJ	EIJS	S	EIJS	S	<i>Curriculum Materials</i>
	●	●	—	●	—	●	Teachers Guides
	●	—	—	—	●	●	Student Resources
	●	—	—	●	●	●	AV Support
	—	●	●	●	●	—	School Visitation
	—	●	●	●	●	●	Touring Drama
	—	—	—	—	—	—	Facility Tour
	—	—	—	—	—	—	Original Newsletter
	—	—	—	—	—	—	Teacher Conference/Workshops
	—	—	—	—	—	—	Teacher Inservice
	—	—	—	—	—	—	Promo Materials (stickers, calendars, mugs, etc.)
	—	—	—	—	—	—	Displays
	—	—	—	—	—	—	Stratagem
	—	—	—	—	—	—	Interactive Games (excluding Stratagem)
	—	—	—	—	—	—	Post Secondary Education
	—	—	—	—	—	—	Bi/Multi-lingual
	—	—	—	—	—	●	Subject
	—	—	—	●	●	●	CrudeOil/Refined Petroleum Products
	—	—	—	—	●	●	Natural Gas
	—	—	—	—	●	●	Wood Energy
	—	●	●	●	●	●	Electricity
	—	—	●	●	—	●	Municipal Solid Waste
	—	—	●	—	●	●	Hydro
	●	—	●	—	—	●	Solar
	●	—	●	—	—	●	Wind
	—	—	●	—	—	●	Other Renewables
	—	—	—	—	—	●	Nuclear
	—	—	—	—	—	—	Offshore/Frontier Developments
	—	—	—	—	—	—	Oil Sands
	—	—	—	—	—	—	Energy and Environment
	—	—	—	—	—	—	Acid Rain
	—	—	—	—	—	—	Greenhouse Effect
	—	—	—	—	—	—	Energy Utilization (includes conservation and efficiency)
	—	—	—	—	—	—	Cogeneration and District Heating
	—	—	—	—	—	—	Electrical Safety
	—	—	—	—	—	—	Petrochemicals
	—	—	—	—	—	—	Water Conservation
	—	—	—	—	—	—	Economics
	—	—	—	—	—	—	Ground Level Ozone

**ACE – Alternative and Conservation
Energies Inc.**

**ARE – Alternative and Retrofit
Energies Inc.**

Address:

1700 Varsity Estates Drive NW
Calgary, Alberta
T3B 2W9

Key Contacts:

Jorg Ostrowski
President
Phone: (403) 288-4455
Fax: (403) 286-1407

Helen Ostrowski
Secretary
Phone: (403) 288-4455
Fax: (403) 286-1407

Overall Goals/Scope of Services:

ACE is dedicated to reducing waste and fuel bills. They promote stewardship, comfort, efficiency, aesthetics, independence and innovative benevolent design through energy audits, design, working drawings, patterns, models, workbook, specs, exonometrics, perspective and site inspections.

New and Updated Materials/Activities:

Design of a generic "Sustainable House" for tract builders.

Alberta Power

Address:

10035-105 Street
Edmonton, Alberta
T5J 2V6

Key Contacts:

Elaine Trudeau
Community Relations Supervisor
Phone: (403) 420-7090
Fax: (403) 441-3845

Jackie Gendre
Energy Management Program Coordinator
Phone: (403) 420-8978
Fax: (403) 441-3483

Overall Goals/Scope of Services:

To provide programs and materials on electricity generation and distribution, energy management safety and the environment. Includes printed materials, AV resources and school visits as requested.

New and Updated Materials/Activities:

Alberta Power's school program was started in 1989 and we are working on developing resources and presentation outlines on the four above topics for all age groups.

Polestar Communications

Address:

6637 Emerson Street
Burnaby, B.C.
V5E 1W5

Key Contacts:

Bill Schwartz
President
Phone: (604) 435-3108
Fax: (604) 435-8499

Overall Goals/Scope of Services:

To write, edit or co-ordinate a number of prescribed and supplementary energy-related education materials.

To handle projects that inform and encourage action by businesses and the public about various aspects of energy.

Polestar Communications is a small business offering a diverse range of services, primarily focused in the fields of education, public information and marketing research as well as general project management. We have written a number of prescribed and supplementary energy-related education materials and have piloted some of them in schools.

New and Updated Materials/Activities:

- Teachers guide and film concept for "Electojuice," an education kit from B.C. Hydro on electrical safety for grades 9-12. Electojuice available in the fall of 1991.
- Series of semi-technical information sheets for B.C. Gas on commercial, residential and industrial uses of natural gas.
- "FOREM Forum," a 3 times a year newsletter for B.C. secondary schools on forestry and school activities produced for the Council of Forest Industries of B.C.
- Retained as a member of the organizing team for B.C. Hydro's Energy Forum '91 and Energy Forum '92 conferences in Victoria.
- Acted as sponsor liaison to Globe '90 for B.C. Hydro and B.C. Gas.
- Developed an "Energy Education" strategy for B.C. Hydro's school programs.
- Organized the Asian Development Business Seminar, which included a series of presentations on energy development in Asia, in conjunction with the annual meeting of the Asian Development Bank held in Vancouver, April, 1991.

P.J. Spratt and Associates Inc.

Address:

3190 Ridgeway Drive, Unit 35
Mississauga, Ontario
L5L 5S8

Key Contacts:

Marilyn Wilson
Vice-President
Phone: (416) 607-0200
Fax: (416) 607-0191

Overall Goals/Scope of Services:

- 1) Development of supplementary educational resources for all educational levels across Canada – in all subject areas, in English and French.
- 2) Inservice/distribution of educational resources across Canada in English and French.
- 3) Educational research and curriculum searches, surveys and field-testing services.
- 4) Development of educational and promotional displays, brochures, audio-visual materials, colour slide shows, audio cassettes, filmstrips and videos.
- 5) Publisher of educational and business periodicals (e.g., *Current* magazine, *Bridges* magazine).
- 6) Planning and co-ordination of conferences and workshop meetings.

New and Updated Materials/Activities:

Sponsored by Atomic Energy of Canada

- *Focus on Fission* – under revision
- *Biological Effects of Ionizing Radiation* – under revision
- *Energy Matters* – under revision
- *Ore That Matters*
- *Energy Alternatives*
- *How Safe Is Enough?*
- *Energy, A First Look*

Sponsored by Ontario Hydro (distribution in Ontario only)

- *Introduction to Electricity*
- *Celebrating Physical Science*
- *Energy Pathways*
- *Let's Make Conservation Happen*
- *Nuclear Science: A Science-Technology-Society Approach*

Synergistics Consulting

Address:

100 Front Street East, Suite 300
Toronto, Ontario
M5A 1E1

Key Contacts:

Leo Normandeau
Vice-President, Public Education
Phone: (416) 366-3083
Fax: (416) 363-5156

Overall Goals/Scope of Services:

Synergistics is a full service communications firm specializing in strategic planning, public education and community relations. Applying social marketing principles, Synergistics has a record of achievement in dealing with complex and controversial issues – especially issues related to environmental quality, natural resource management and human health

Synergistics offers its expertise in the following areas:

- Community relations and public consultation
- Process facilitation
- Issues management and systems design
- Public opinion and stakeholder research
- Program evaluation
- Public education and social marketing
- Communications planning
- School resources
- Audio-visual and print production

New and Updated Materials/Activities:

Educational Resources for Schools

- The Conserving Kingdom
- Taking a Second Look, A Critical Viewing Kit
- Stratagem
- Road Worthy
- Think About Me
- Focus on Forests
- Youth: Making a Difference
- Waste Management Education Resources

Issues Management Services

- The PCB Issue
- Great Lakes Water Levels
- Privatization of Government Services
- Herbicide Spraying of Rights-of-Way
- Federal PCB Destruction Program
- Pro-Active Issues Management System
- Public Issues Management
- Greening of a Company

Wilson Educational Services, Inc.

Address:

314 Main Street
Wallingford, CT
06492

Key Contacts:

In Canada
Harold Mix
Representative
Phone: (203) 949-1570

In U.S.A.
Carol A. Wilson
President
Phone: (613) 345-3388

Overall Goals/Scope of Services:

Wilson provides the STEM (Savings through Energy Management) program which it presents to groups of students (Grades 8-12). STEM is a 30 hour classroom program leading to a student prepared energy audit with a pre arranged formal presentation of findings to the appropriate building management authority, school board, etc.

The STEM team is then able to expand their skill on other buildings within the community. STEM team members learn information about applied math, world geography and energy supplies, language composition, public speaking and analysis methods. Wilson supplies all teaching materials and a specially trained instructor.

New and Updated Materials/Activities:

Six completed programs in Ontario.
Many programs in Connecticut, New Hampshire, Vermont, Mass.

Canadian Energy Education Directory, Fourth Edition, **March 1992**

Canadian Energy Education Directory, Fourth Edition, **March 1992** Alberta

Saskatchewan Education – Curriculum and Instruction Division	SaskPower	Fort Whyte Centre for Environmental Education	Manitoba Energy and Mines	Manitoba Hydro	<p>Activities indicate the full range of services or projects in which the organization plays a central or leading role.</p> <p>The letter codes indicate target groups involved in each of the organization's activities.</p> <p>E = Elementary (P – 3) I = Intermediate (3 – 6) J = Junior High S = Senior High G = General Public</p> <p>● = A subject in which the organization plays a central or leading role. — = An activity in which the organization does not play a role. = An empty column indicates no information was supplied by the organization.</p> <p>Subjects are those in which the organization has produced significant, reasonably distinct and original resource materials, particularly those which the organization felt could be of interest to others involved in energy education across Canada.</p> <p>● = A subject in which the organization plays a central or leading role. — = An activity in which the organization does not play a role. = An empty column indicates no information was supplied by the organization.</p>
—	EIJ	—	—	—	Activity
—	EIJSG	—	—	EIG	<i>Non-curriculum Information</i>
—	EIJSG	—	—	—	Original Publications
—	EIJSG	—	—	—	Reference Literature
—	●	—	—	—	Films and Videos
—	●	—	—	EI	<i>Curriculum Materials</i>
—	●	—	—	EI	Teachers Guides
—	●	—	—	EIG	Student Resources
●	—	—	—	—	AV Support
—	●	—	—	●	School Visitation
—	●	—	—	—	Touring Drama
—	●	—	—	●	Facility Tour
—	●	—	—	●	Original Newsletter
—	●	—	—	●	Teacher Conference/Workshops
—	●	—	—	●	Teacher Inservice
—	●	●	—	—	Promo Materials (stickers, calendars, mugs, etc.)
—	—	—	—	—	Displays
—	—	—	—	—	Stratagem
—	—	—	—	—	Interactive Games (excluding Stratagem)
—	—	—	—	—	Post Secondary Education
—	—	—	—	—	Bi/Multi-lingual
—	—	—	●	—	Subject
—	●	—	—	—	CrudeOil/Refined Petroleum Products
—	●	—	—	—	Natural Gas
—	●	—	—	—	Wood Energy
—	●	—	—	—	Electricity
—	●	—	—	—	Municipal Solid Waste
—	●	—	—	—	Hydro
—	●	—	—	—	Solar
—	●	—	—	—	Wind
—	●	—	—	—	Other Renewables
—	●	—	—	—	Nuclear
—	●	—	—	—	Offshore/Frontier Developments
—	●	—	—	—	Oil Sands
—	●	—	—	—	Energy and Environment
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—	●	—	—	—	Cogeneration and District Heating
—	●	—	—	●	Electrical Safety
—	●	—	—	—	Petrochemicals
—	●	—	—	—	Water Conservation
—	●	—	—	—	Economics
—	—	—	—	—	Ground Level Ozone

Canadian Energy Education Directory, Fourth Edition, March 1992

	Canadian Earth Energy Association	Canadian Gas Association	Canadian Nuclear Association	Canadian Wind Energy Association	Energy, Mines and Resources Canada	Independent Petroleum Association of Canada	SEEDS Foundation	Solar Energy Society of Canada	<p>Activities indicate the full range of services or projects in which the organization plays a central or leading role.</p> <p>The letter codes indicate target groups involved in each of the organization's activities.</p> <p>E = Elementary (P – 3)</p> <p>I = Intermediate (3 – 6)</p> <p>J = Junior High</p> <p>S = Senior High</p> <p>G = General Public</p> <p>● = A subject in which the organization plays a central or leading role.</p> <p>— = An activity in which the organization does not play a role.</p> <p>= An empty column indicates no information was supplied by the organization.</p>
									<p>Activity</p> <p><i>Non-curriculum Information</i></p> <p>Original Publications</p> <p>Reference Literature</p> <p>Films and Videos</p> <p><i>Curriculum Materials</i></p> <p>Teachers Guides</p> <p>Student Resources</p> <p>AV Support</p> <p>School Visitation</p> <p>Touring Drama</p> <p>Facility Tour</p> <p>Original Newsletter</p> <p>Teacher Conference/Workshops</p> <p>Teacher Inservice</p> <p>Promo Materials (stickers, calendars, mugs, etc.)</p> <p>Displays</p> <p>Stratagem</p> <p>Interactive Games (excluding Stratagem)</p> <p>Post Secondary Education</p> <p>Bi/Multi-lingual</p> <p>Subject</p> <p>CrudeOil/Refined Petroleum Products</p> <p>Natural Gas</p> <p>Wood Energy</p> <p>Electricity</p> <p>Municipal Solid Waste</p> <p>Hydro</p> <p>Solar</p> <p>Wind</p> <p>Other Renewables</p> <p>Nuclear</p> <p>Offshore/Frontier Developments</p> <p>Oil Sands</p> <p>Energy and Environment</p> <p>Acid Rain</p> <p>Greenhouse Effect</p> <p>Energy Utilization (includes conservation and efficiency)</p> <p>Cogeneration and District Heating</p> <p>Electrical Safety</p> <p>Petrochemicals</p> <p>Water Conservation</p> <p>Economics</p> <p>Ground Level Ozone</p>

	Hydro Québec	Ministère de l'Énergie et des Ressources	Energy and Environment Educators of New Brunswick	Atlantic Wind Test Site	Maritime Electric Company Limited	P.E.I. Department of Education	P.E.I. Department of Energy and Forestry	Ecology Action Centre	Nova Scotia Power Corporation	Nova Scotia Department of Natural Resources	<p>Activities indicate the full range of services or projects in which the organization plays a central or leading role.</p> <p>The letter codes indicate target groups involved in each of the organization's activities.</p> <p>E = Elementary (P – 3)</p> <p>I = Intermediate (3 – 6)</p> <p>J = Junior High</p> <p>S = Senior High</p> <p>G = General Public</p> <p>• = A subject in which the organization plays a central or leading role.</p> <p>— = An activity in which the organization does not play a role.</p> <p>= An empty column indicates no information was supplied by the organization.</p>	<p>Subjects are those in which the organization has produced significant, reasonably distinct and original resource materials, particularly those which the organization felt could be of interest to others involved in energy education across Canada.</p> <p>• = A subject in which the organization plays a central or leading role.</p> <p>— = An activity in which the organization does not play a role.</p> <p>= An empty column indicates no information was supplied by the organization.</p>
	EIJS G G	EI —	EIJS G	— G	—	— G	G	EIJS G	—	—	<p>Activity</p> <p><i>Non-curriculum Information</i></p> <p>Original Publications</p> <p>Reference Literature</p> <p>Films and Videos</p> <p><i>Curriculum Materials</i></p> <p>Teachers Guides</p> <p>Student Resources</p> <p>AV Support</p> <p>School Visitation</p> <p>Touring Drama</p> <p>Facility Tour</p> <p>Original Newsletter</p> <p>Teacher Conference/Workshops</p> <p>Teacher Inservice</p> <p>Promo Materials (stickers, calendars, mugs, etc.)</p> <p>Displays</p> <p>Stratagem</p> <p>Interactive Games (excluding Stratagem)</p> <p>Post Secondary Education</p> <p>Bi/Multi-lingual</p> <p>Subject</p> <p>CrudeOil/Refined Petroleum Products</p> <p>Natural Gas</p> <p>Wood Energy</p> <p>Electricity</p> <p>Municipal Solid Waste</p> <p>Hydro</p> <p>Solar</p> <p>Wind</p> <p>Other Renewables</p> <p>Nuclear</p> <p>Offshore/Frontier Developments</p> <p>Oil Sands</p> <p>Energy and Environment</p> <p>Acid Rain</p> <p>Greenhouse Effect</p> <p>Energy Utilization (includes conservation and efficiency)</p> <p>Cogeneration and District Heating</p> <p>Electrical Safety</p> <p>Petrochemicals</p> <p>Water Conservation</p> <p>Economics</p> <p>Ground Level Ozone</p>	

